

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1-4 (canceled).

5 (currently amended). A method of producing a copy of an original scaled to fit a selected copy medium comprising the steps of:

- (a) performing a first scan of said original at a full resolution to convert said original to a plurality of scan data representing a plurality of pixels of said original;
- (b) ~~calculating~~ determining at least one of a magnification and a reduction of said original to scale a copy of said original to fit at least one of a length and a width of said copy medium using only said plurality of scan data from said first scan;
- (c) printing said copy from said scan data at one of said ~~calculated~~ determined magnification and reduction using said plurality of scan data stored in a memory from said first scan; and
- (d) where said step of ~~calculating~~ determining at least one of a magnification and a reduction of said original is performed over a time interval that begins before data from said first scan is written into a said memory, and is performed concurrently with the processing of said scan data for image reproduction characteristics other than scaling over at least a portion of said time interval.

6 (currently amended). The method of claim 5 wherein the step of determining ~~calculating~~ at least one of a magnification and a reduction of said original to scale a copy of said

original to fit at least one of a length and a width of said copy medium comprises the steps of:

- (a) identifying a first line of scan data corresponding to a first boundary of said original;
- (b) identifying a second line of scan data corresponding to a second boundary of said original;
- (c) determining a number of lines intervening between said first and said second lines; and
- (d) calculating a scale of said number of lines not exceeding at least one of said length and said width of said copy medium.

7 (original). The method of claim 6 wherein the step of identifying a line of scan data corresponding to a boundary of said original comprises the step of identifying a line of said scan data comprising a scan datum corresponding to a pixel of said original.

8 (currently amended). The method of claim 5 wherein the step of ~~calculating~~ determining at least one of a magnification and a reduction of said original to scale a copy of said original to fit at least one of a length and a width of said copy medium comprises the steps of:

- (a) locating a first boundary datum of said original in a first line of scan data;
- (b) locating a last boundary datum of said original in said first line of scan data;
- (c) repeating steps (a) and (b) for another line of scan data;
- (d) locating a first boundary of said original from said location of at least one said first boundary datum of at least one of said first and said another line of scan data;
- (e) locating a second boundary of said original from said location of at least one said second boundary datum of at least one of said first and said another line of scan data; and
- (f) calculating a scale of a distance between said first and said second

boundary not exceeding at least one of said width and said length of said copy medium.

9 (original). The method of claim 8 wherein the step of locating a boundary datum of said original in a line of scan data comprises the step of detecting a scan datum corresponding to a pixel of said original.

10 (currently amended). The method of claim 5 wherein the step of ~~calculating~~ determining at least one of a magnification and a reduction of said original to scale a copy of said original to fit at least one of a length and a width of said copy medium comprises the steps of:

- (a) identifying a plurality of said scan data corresponding to a line of scanned pixels;
- (b) locating a detected pixel of said original in a line of scanned pixels;
- (c) repeating steps (a) and (b) for a plurality of lines of a full resolution scan of said original;
- (d) locating a boundary of said original from said location of at least one of said detected pixels of at least one line of scanned pixels;
- (e) calculating a dimension of said original image from said location of said boundary; and
- (f) calculating at least one of a magnification and a reduction to scale said dimension of said original image to fit at least one of said length and said width of said copy medium.

11 (currently amended). A method of producing a copy of an original scaled to fit a selected copy medium, the method comprising the steps of:

- (a) performing a first scan of a line of pixels of said original to convert said pixels to scan data and transforming said data to facilitate calculation of a dimension of said original;

- (b) detecting a pixel of said original in a line of scanned pixels;
- (c) repeating steps (a) and (b) for a plurality of lines of a full resolution scan of said original;
- (d) locating a boundary of said original from a position of at least one of said detected pixels using only said plurality of scan data from said first scan;
- (e) calculating a dimension of said original from said location of said boundary using only said plurality of scan data from said first scan;
- (f) calculating at least one of a magnification and a reduction to scale said dimension of said original to fit a selected size of a copy medium using only said plurality of scan data from said first scan; ~~and~~
- (g) printing a copy of said original from said scan data at one of said calculated magnification and reduction using said plurality of scan data stored in a memory from said first scan; ~~and~~
- (h) where said transforming said data ~~step of calculating at least one of a magnification and a reduction to scale said dimension of said original~~ is performed over a time interval that begins before said scan data is written into a said memory, and is performed concurrently with the processing of said scan data for image reproduction characteristics other than scaling over at least a portion of said time interval.

12 (original). The method of claim 11 further comprising the steps of:

- (a) storing said scan data; and
- (b) printing said copy from said stored scan data.

13 (original). The method of claim 11 wherein the step of calculating a dimension of said original image from said location of said boundary comprises the steps of:

- (a) identifying a scan line corresponding to a first boundary of said original;
- (b) identifying another scan line corresponding to a second boundary of said

original; and

- (c) determining a number of scan lines intervening between said scan line and said another scan line.

14-18 (canceled).

19 (currently amended). A method of producing a plurality of copies of an original on a copy medium comprising the steps of:

- (a) performing a first scan to convert a line of pixels of said original to scan data and transforming said data to facilitate calculation of a dimension of said original;
- (b) detecting a pixel of said original in said line of scanned pixels;
- (c) repeating steps (a) and (b) for a plurality of lines of a full resolution scan of said original;
- (d) locating a boundary of said original from at least one of said detected pixels of at least one of said lines of scanned pixels using only said plurality of scan data from said first scan;
- (e) calculating a size of said original image from said location of said boundary using only said plurality of scan data from said first scan;
- (f) calculating a multiple of said size that will not exceed a dimension of a selected copy medium using only said plurality of scan data from said first scan; ~~and~~
- (g) printing from said scan data a plurality of copies of said original equal to said multiple using said plurality of scan data stored in a memory from said first scan; and
- (h) ~~where said steps of calculating a size of said original and calculating a multiple of said size are~~ transforming said data is performed over a time interval that begins before said scan data is written into a said memory,

and is performed concurrently with the processing of said scan data for image reproduction characteristics other than scaling over at least a portion of said time interval.

20 (original). The method of claim 19 further comprising the steps of:

- (a) storing said scan data; and
- (b) printing said copy from said stored scan data.

21 (original) The method of claim 19 wherein the step calculating a size of said original image from said location of said boundary comprises the steps of:

- (a) identifying at least two scan lines including a detected pixel of said original;
- (b) locating a first boundary and a second boundary of said original according to a relationship of said detected pixels; and
- (c) calculating a number of scan lines intervening between said first and said boundaries.

22 (original). The method of claim 19 wherein the step calculating a size of said original image from said location of said boundary comprises the steps of:

- (a) detecting a first pixel of said original in a line of scanned pixels;
- (b) detecting another pixel of said original in a line of scanned pixels;
- (c) locating a first boundary of said original from said location of said first detected pixel;
- (d) locating another boundary of said original from said location of said another detected pixel; and
- (e) calculating a distance separating said first boundary and said another boundary.